

## Crystal Tuning Fork Type

DT26 & DT38

**MEC Crystals**

Tuning Fork Crystals

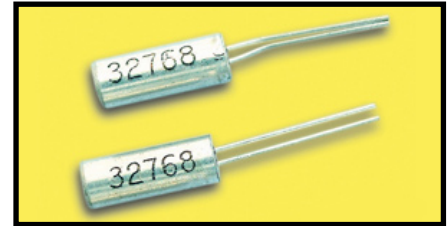
(2 x 6mm & 3 x 8mm)

### Features:

- Wide frequency range
- High shock tolerance
- Small size
- Reliable frequency stability
- **RoHs Compliant (Pb Free)**

### Applications:

- Microprocessor System
- Consumer electronics
- Instrumentation
- Automotive electronics



### Electrical Specifications:

Holder Type	DT26	DT38
Frequency (at 25°C)	30.00KHz ~ 350.00KHz	
Frequency Tolerance	±20ppm	
Load Capacitance	6.0pF ~ 12.5pF or specify	
Drive Level (Typical)	1µW max	
Series Resistance for Frequency Ranges	32.768KHz	35Kohm max
	32KHz ~ 40KHz	40Kohm max
	40KHz ~ 60KHz	30Kohm max
	60KHz ~ 70KHz	25Kohm max
	70KHz ~ 200KHz	22Kohm max
	200KHz ~ 350KHz	20Kohm max
Turnover Temperature	25°C ± 5°C	
Shunt Capacitance for Frequency Ranges	32.768KHz	1.5pF Typical
	32KHz ~ 40KHz	2.0pF
	40KHz ~ 60KHz	
	60KHz ~ 70KHz	
	70KHz ~ 200KHz	
	200KHz ~ 350KHz	
Capacitance Ratio	650 max	
Operating Temperature Range	-20°C ~ +70°C, -40°C ~ +85°C	
Storage Temperature Range	-55°C ~ +125°C	
Parabolic Curvature Constant	-0.034ppm / °C <sup>2</sup> max	
Insulating Resistance	500Mohm min at DC 100V	
Aging (First year max)	±3 ppm	

### Part Numbering System:

DT26 — 40.000KHZ — 6 —       
 ①                      ②                      ③                      ④

① Series

DT26
DT38

② Frequency

Frequency
ex. 40.000KHZ

③ Load Capacitance CL

Code	Load Capacitance
Nil	12.5pF
6	6pF
8	8pF
	Specify

④ Operating Temperature

Code	Ranges
Nil	-20°C ~ +70°C
X	-40°C ~ +85°C

**Remark:** Specifications are subject to change without prior notice. Please confirm with our sales engineer.

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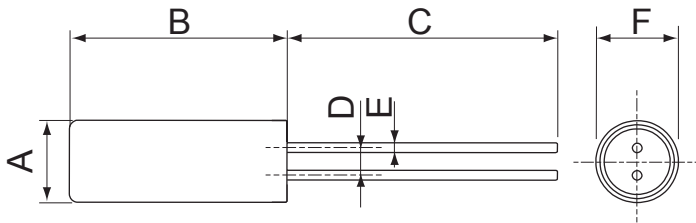
DT26 & DT38



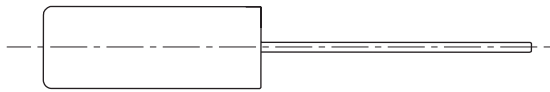
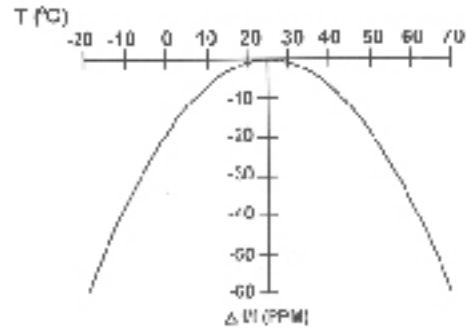
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(2 x 6mm & 3 x 8mm)

### Drawing:



### Temperature Frequency Curve (DT26, DT38)



### Dimensions (mm):

Type	A	B	C	D	E	F
DT26	2.0	6.0 ± 0.3	6.0 ± 0.3	0.7 ± 0.2	0.2 ± 0.1	2.0 ± 0.1
DT38	3.0	8.0 ± 0.3	10.0 ± 0.3	1.1 ± 0.2	0.3 ± 0.2	3.0 ± 0.1

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